

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/00264

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G11B19/00 , G06F1/26
H02J1/00, 307

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G11B19/00-19/02 , G06F1/26-32
H02J1/00, 306-308

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Kokai Jitsuyo Shinan Koho 1971-2000 Jitsuyo Shinan Toroku Koho 1996-2000
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JJP, 10-27411, A (Matsushita Electric Ind. Co., Ltd.), 27 January, 1998 (27.01.98),	1-4, 7-12, 14
Y	Par. Nos. 0017 to 0024; Figs. 1, 2 (Family: none)	5, 6, 13
X	JJP, 10-27412, A (NEC Gumma Ltd.), 27 January, 1998 (27.01.98),	1-4, 7-12, 14
Y	Full text; Fig. 1 (Family: none)	5, 6, 13
E, X	JJP, 2000-99211, A (Matsushita Electric Ind. Co., Ltd.), 07 April, 2000 (07.04.00),	1-4, 7-12, 14
A	Par. Nos. 0010 to 0025; Figs. 1, 2 (Family: none)	5, 6, 13
Y	JJP, 7-153173, A (Funai Techno. Syst. K.K.), 16 June, 1995 (16.06.95), 0014-0017, Fig. 2 (Family: none)	5, 6, 13
Y	JJP, 8-212679, A (Hitachi, Ltd.), 20 August, 1996 (20.08.96), Par. Nos. 0009 to 0011; Figs. 1, 2 (Family: none)	5, 6, 13
Y	JJP, 10-92085, A (Samsung Electron Co., Ltd.), 10 April, 1998 (10.04.98),	5, 6, 13

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document member of the same patent family

"&"

Date of the actual completion of the international search
20 April, 2000 (20.04.00)

Date of mailing of the international search report
02 May, 2000 (02.05.00)

Name and mailing address of the ISA/
Japanese Patent Office

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/00264

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Par. Nos. 0005 to 0007, 0021 to 0025; Fig. 3 (Family: none)	
Y	JP, 6-231527, A (Toshiba Corporation), 19 August, 1994 (19.08.94), Full text; all drawings (Family: none)	5, 6, 13
A	JP, 61-288725, A (Oki Electric Industry Co., Ltd.), 18 December, 1986 (18.12.86) (Family: none)	1-14
A	JP, 7-194844, A (AIWA CO., LTD.), 01 August, 1995 (01.08.95) (Family: none)	1-14
A	JP, 7-288874, A (Matsushita Electric Ind. Co., Ltd.), 31 October, 1995 (31.10.95) (Family: none)	1-14
A	JP, 10-241259, A (Fujitsu Limited), 11 September, 1998 (11.09.98) (Family: none)	1-14
A	JP, 2000-90549, A (Sony Corporation), 31 March, 2000 (31.03.00) (Family: none)	1-14